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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

NGUYEN, TUYEN T

ART UNIT PAPER NUMBER

2832

DATE MAILED: 11/20/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

P.5-

# Office Action Summary

Application No.  
09/929,068

Applicant(s)  
Hsien et al.

Examiner  
Tuyen T. Nguyen

Art Unit  
2832



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on Sep 5, 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 20-29 is/are pending in the application.
- 4a) Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 20-29 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of:
- ☒ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_ 6) ☐ Other:

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## DETAILED ACTION

### *Claim Objections*

1. Claim 25 is objected to because of the following informalities: In line 4, "and the first, second and third flat bottom surface" should be deleted. Appropriate correction is required.

### *Claim Rejections - 35 USC § 112*

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 26-27 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 26, applicant should clarify the structure and arrangement of the first and second half portions of the insulating element. In lines 4-9, applicant should clarify the arrangement of the first and second conductive element relative to the first and second half portions of the insulating element. Claim 27 inherits the defects of the parent claim.

### *Claim Rejections - 35 USC § 102*

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 20-27 are rejected under 35 U.S.C. 102(b) as being anticipated by Kato et al. [US 5,307,041].

Kato et al. discloses a chassis/base [1] for an inductor having a core [3] and a coil [4] wound about the core, the chassis/base comprising:

- a plastic insulating element [1];
- a first metal conductive element [2a, see attachment] with a first stem protrudes from the insulating element in a direction; and
- a second metal conductive element [2a, see attachment] with a second stem protrudes from the insulating element in the same direction of the first stem [see figure 2A-3D].

wherein the insulating element comprises an upper surface having a cavity formed thereon for accommodating the inductor and a first flat bottom surface.

wherein the first and second metal conductive element having a second and third flat bottom surfaces which are flush with the first flat bottom surface of the insulating element [see figure 3D].

Regarding claims 26 and 27, Kato et al. further discloses notches disposed in the first and second stems and the coil is wound around the notches.

6. Claim 28, as best understood in view of the rejection under 112 second paragraph, is rejected under 35 U.S.C. 102(b) as being anticipated by Tsutsumi et al. [US 5,751,203].

Tsutsumi et al. discloses a chassis/base [figure 5] for an inductor comprising:

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- an insulating element consisting of first and second half portions;
- a first conductive element [10] disposed in the insulating element, extending from the first half portion to the second half portion; and
- a second conductive element [10] disposed in the insulating element, extending from the second half portion to the first half portion.

***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claim 29, as best understood in view of the rejection under 112 second paragraph, are rejected under 35 U.S.C. 103(a) as being unpatentable over Tsutsumi et al. in view of Yamashita [JP 10-284331].

Tsutsumi et al. discloses the instant claimed invention except for the first conductive element including cavities/recesses formed in the top and bottom surfaces thereof.

Yamashita discloses an inductor including at least one conductive terminal element [3'] having cavities/recesses [3d, 3e, figure 7] formed on the top and bottom surfaces thereof.

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It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include cavities/recesses in the first conductive element of Tsutsumi et al., as suggested by Yamashita, for the purpose of facilitating manufacturing and molding.

***Response to Arguments***

9. Applicant's arguments filed 9/5/02 have been fully considered but they are not persuasive.

Applicant argues that:

Independent claim 20 of the present invention recites an asymmetrical chassis with the first and second stems protruding out in the same direction. Kato et al. discloses a symmetrical structure.

The examiner disagrees.

Applicant has not claimed, nor has examiner considered, any structure of the asymmetrical chassis. Kato et al. discloses the first and second stems protruding out in the same direction [see above].

***Conclusion***

10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the

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mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Tuyen T. Nguyen whose telephone number is (703) 308-0821.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Elvin Enad, can be reached at (703) 308-7619. The fax number for this Group is (703)872-9318 before the final office action, if the response is after final office action the fax number is (703)872-9319.

Any inquiry of a general nature or relating to status of this application of proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

TTN *TTN*

November 15, 2002

*Tuyen T. Nguyen*

Examiner's attachment  
U.S. 5,307,041

